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**EXAMINER** 

ATTORNEY'S DKT NO. APPLICATION NO. 032005-068 09/621,670

APPLICANT Ashby

FILING DATE GROUP
July 24, 2000 3736

July 24, 2000 3736 PTO-1449 **U.S. PATENT DOCUMENTS EXAMINER'S** FILING DATE **INITIALS** PATENT NO. DATE NAME **CLASS SUBCLASS** Apr. 1897 581,235 Kenyon Mar. 1926 1,578,517 Hein 2,086,580 Jul. 1937 Shirley Mar. 1949 2,465,357 Correll Dec. 1949 2,492,458 Bering, Jr. 2,507,244 May 1950 Correll 2,558,395 Jun 1951 Studer 2,597,011 May 1952 MacMasters, et al. 2,680,442 Jun. 1954 Linzmayer 2,761,446 Sep. 1956 Reed Nov 1957 2,814,294 Figge 2,824,092 A Feb. 1959. Thompson 2,899,362 Aug 1959 Sieger, Jr., et al. 3,157,524 Nov 1964 Artandi 3,724,465 Apr 1973 Duchane 4,000,741 Jan 1997 Binard, et al. RECEIVED 4,323,072 Apr 1982 Rosenbluth, et al. 4,340,066 July 1982 MAY 1 1 2001 Shah 4,390,018 Jun 1983 Zukowski TECHNOLOGY CENTER R3700 4,515,637 May 1985 Cioca 4,587,969 May 1986 Gillis 4,588,395 May 1986 Lemelson FOREIGN PATENT DOCUMENTS **EXAMINER'S** Translation INITIALS PATENT NO. DATE COUNTRY CLASS **SUBCLASS** No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Ismael izaguirre

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Primary Examiner

DATE CONSIDERED

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TI	4,619,261	Oct 1986	Guerrero		_				
1	4,619,913	Oct 1986	Luck, et al.	_					
	4,645,488	Feb 1987	Matukas						
	4,744,364	May 1988	Kensey		}	_			
	4,790,819	Dec 1988	Li, et al.						
	4,829,994	May 1989	Kurth				-		
	4,850,960	July 1989	Grayzel						
	4,852,568	Aug 1989	Kensey						
	4,890,612	Jan 1990	Kensey						
	4,900,303	Feb 1990 Lemelson		. —					
	4,929,246	May 1990	Sinofsky						
	4,936,835	Jun 1990	Haaga		ĺ				
	4,950,234	Aug 1990	Fujioka, et al.		)				
	5,007,895	Apr 1991	Burnett		1				
	5,021,059	Jun 1991	Kensey, et al.		)				
	5,053,046	Oct 1991	Janese		) R	EGEIV	ED		
	5,061,274	Oct 1991	Kensey		_	MAV 1 1 2	0.04		
	5,080,655	Jan 1992	Haaga		7500	_	001		
	5,108,421	Apr 1992	Fowler		JECHN	DLOGY CENTE	H R3700		
	5,163,904	Nov 1992	Lampropoulos	s, et al.	-	<u></u>			
7	5,167,624	Dec 1992	Butler, et al.		_	_			
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76	5,192,300	Mar 1993	Fowler							
	5,192,301	Mar 1993	Kamiya, et al.	•						
	5,195,988	Mar 1993	Haaga							
	5,220,926	Jun 1993	Jones		_					
	5,221,259	Jun 1993	Weldon, et al	•	_					
	5,275,616	Jan 1994	Fowler							
	5,310,407	May 1994	Casale		_					
	5,325,857	Jul 1994	Nabai, et al.							
	5,334,216	Aug 1994	1994 Vidal, et al.		_					
	5,366,480	Nov 1994	Corriveau, et	al.						
	5,383,896	Jan 1995	Gershony, et	al.						
	5,383,899	Jan 1995	Hammerslag							
	5,388,588	Feb 1995	Nabai, et al.							
	5,391,183	Feb 1995	Janzen, et al.							
	5,419,765	May 1995	Weldon, et al.							
	5,431,639	Jul 1995	Shaw							
	5,437,631	Aug 1995	Janzen			ECEN	/==	<b>_</b>		
	5,467,780	Nov 1995	Nabai, et al.			COLIN		<i>丁</i>		
	5,478,352	Dec 1995	Fowler			MAY-1 1	2001			
	5,479,936	Jan 1996	Nabai, et al.		<b>-</b> ₹ECH	NOLOGY <del>-CE</del> NT	ER R37	00		
JA.	5,486,195	Jan 1996	Myers, et al.							
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270	5,522,850	Jun 1996	Yomtov, et al					
	5,526,822	Jun 1996	Burbank, et a	l.	)			
	5,529,577	Jun 1996	Hammerslag	0	1			
	5,540,715	Jul 1996	Katsaros, et a	al.	W.			
	5,542,914	Aug 1996	Van Iten			~		
	5,545,178	Aug 1996	Kensey, et al.		-			
	5,558,853	Sep 1996	Quay					
	5,591,204	Jan 1997	Janzen, et al.		)			
	5,591,205	Jan 1997	Fowler					
	5,601,602 Feb 19 5,645,566 Jul 19 5,649,547 Jul 19		Brenneman, et al. Ritchart, et al.					
	5,653,730	Aug 1997	Hammerslag  Hammerslag  Kensey, et al.  Roper, et al.  Fowler `  Janzen, et al.					
	5,665,107	Sep 1997						
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	5,681,279	Oct 1997			_			
	5,716,375	Feb 1998				ECEN.	ED	
	5,725,498	Mar 1998			<u></u>			
	5,741,223	Apr 1998	Janzen, et al.			MAY 1 2	001	
	5,769,086	Jun 1998	Ritchart, et al		TECHN	DLOGY CENTE	R R370	0
7	5,775,333	Jul 1998	Burbank, et a	l.	)			
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1	5,810,806	Sep 1998	Ritchart, et al		-	_				
	5,830,130	Nov 1998	Janzen, et al.		ĺ	~				
	5,902,310	May 1999	Foerster, et a	l. 	-					
	6,007,563	Dec 1999	Nash, et al.		1					
	6,071,301	Jun 2000	Cragg, et al.	· · · · · · · · · · · · · · · · · · ·	/					
	6,162,192	Dec 2000	Cragg, et al.		)					
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	1,509,023	Apr 1978	United Kingdo		CLASS		163	INO		
	1,569,660	Jun 1980	United Kingdom Russia		)	_				
	782,814	Nov 1980								
	032,826 A2	Jul 1981	EPO							
	1,088,709 A	Apr 1984	Russia			ECEN	/EL	)		
	2 641 692	Jul 1990	France			MAY, 1 1	? <u>0</u> 01			
	476,178 A1	Mar 1992	EPO		TECH	NOLOGY CENT	in Dom			
	482,350 A2	Apr 1992	EPO		}			,		
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		Vincent P. Chuang, M.D., et al., "Sheath Needle for Liver Biopsy in High-Risk Patients", Radiology, 166:261-262 (1988)								
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7	David J. Allison	n, M.D., et al	I., "Percutaneo	us Liver Biopsy ar			with S	teel		
	Coils", Radiolo	<i>gy,</i> 169(1):2 <b>ismael izagui</b> i		1.						
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